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(54) Title: METHOD AND UNIT FOR SUBTRACTING QUANTIZATION NOISE FROM A PCM SIGNAL

$$B_q = \sqrt{\sum_{n=0}^{W-1} \frac{\{(s_{\min}^*[n] - s_{\max}^*[n]) \cdot w[n]\}^2}{12}} \quad (I)$$

$s_{\min}^*[n]$  represents the minimum quantization noise level for a specific sample value  $s^*[n]$  of said PCM signal,  $s_{\max}^*[n]$  represents the maximum quantization noise level for the specific sample value  $s^*[n]$  of the PCM signal,  $w[n]$  represents a window-function and  $W$  represents the number of samples per window. Subsequently, the quantization noise as represented by said quantization noise level  $B_q$  has to be subtracted from said PCM signal, preferably with the help of a suitable background noise subtracting system.

(57) Abstract: The invention relates to method and unit for subtracting quantization noise from a pulse code modulated PCM signal being segmented into frames. For achieving this it is proposed to first calculate for each frame of said PCM signal a quantization noise level  $B_q$  according to the following equation (I) wherein  $n$  indicates a specific sample of the PCM signal,

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